UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 6 Laboratory
Environmental Services Branch
10625 Fallstone Road, Houston, TX 77099
Phone: (281)983-2100 Fax: (281)983-2248

Final Analytical Report

Site Name ----------Oil Trust Fund

Sample Collection Date(s)-- 08/13/10 - 08/15/10

Contact---------- Rich Mayer (6PD-F)

Report Date---------- 08/20/10

Project #---------- 10REG232

Work Order(s)----------1008027

Analyses included in this report:

LC DOSS

Report Narrative

DOSS was not found at or above the reporting limit for the samples in this work order

Standard procedures for quality assurance and quality control were followed in the analysis and reporting of the sample results. The results apply only to the samples tested. This final report should only be reproduced in full.

Reporting limits are adjusted for sample size and matrix interference.

Report Approvals:

Richard McMillin
Region 6 Laboratory Manager

David Neleigh
Region 6 Laboratory Branch Chief

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

Region 6 Environmental Services Branch Laboratory

10625 Fallstone Road
Houston, Texas 77099

Sample Receipt and Disposal

Site Name: Oil Trust Fund Project Number: 10REG232

Data Management Coordinator: Christy Warren

_____ / /

Data Management Coordinator Signature Date

Date Transmitted: _____/_____/_____

Please have the U.S. EPA Project Manager/Officer call the Data Management Coordinator at 3-2137 for any comments or questions.

Please sign and date this form below and return it with any comments to:

Christy Warren
Data Management Coordinator
Region 6 Laboratory
6MD-HS

_____/_____/_____

Received by and Date

Comments:

The laboratory routinely disposes of samples 90 days after all analyses have been completed. If you have a need to hold these samples in custody longer than 90 days, please sign below.

_____ _____

Signature Date

Please provide a reason for holding:

Environmental Protection Agency

Region 6 Laboratory

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ANALYTICAL REPORT FOR SAMPLES

Station ID	Laboratory ID	Sample Type	Date Collected	Date Received
T008-0023-100814-SW-1	1008027-01	Liquid	8/14/10 12:52	08/16/10 09:20
T008-0024-100814-SW-1	1008027-02	Liquid	8/14/10 12:20	08/16/10 09:20
T008-0025-100814-SW-1	1008027-03	Liquid	8/14/10 11:40	08/16/10 09:20
T008-0026-100814-SW-1	1008027-04	Liquid	8/14/10 11:00	08/16/10 09:20
T008-0027-100814-SW-1	1008027-05	Liquid	8/14/10 10:15	08/16/10 09:20
T008-0022-100815-SW-1	1008027-06	Liquid	8/15/10 9:10	08/16/10 09:20
T005-0036-100813-SW-1	1008027-07	Liquid	8/13/10 8:55	08/16/10 09:20
T005-0037-100813-SW-1	1008027-08	Liquid	8/13/10 9:55	08/16/10 09:20
T005-0039-100813-SW-1	1008027-09	Liquid	8/13/10 10:40	08/16/10 09:20
T005-0040-100813-SW-1	1008027-10	Liquid	8/13/10 11:20	08/16/10 09:20
T005-0034-100814-SW-1	1008027-11	Liquid	8/14/10 9:40	08/16/10 09:20
T005-0035-100814-SW-1	1008027-12	Liquid	8/14/10 8:30	08/16/10 09:20
T005-0031-100815-SW-1	1008027-13	Liquid	8/15/10 11:10	08/16/10 09:20
T005-0032-100815-SW-1	1008027-14	Liquid	8/15/10 10:05	08/16/10 09:20
T005-0032-100815-SW-2	1008027-15	Liquid	8/15/10 10:05	08/16/10 09:20
T005-0033-100815-SW-1	1008027-16	Liquid	8/15/10 9:10	08/16/10 09:20
T001-1337-100813-SW-00-1	1008027-17	Liquid	8/13/10 12:05	08/16/10 09:20
T001-1344-100815-SW-05-1	1008027-18	Liquid	8/15/10 12:20	08/16/10 09:20
T001-1353-100815-SW-00-1	1008027-19	Liquid	8/15/10 14:30	08/16/10 09:20
T001-2346-100814-SW-00-1	1008027-20	Liquid	8/14/10 13:20	08/16/10 09:20
T001-2346-100814-SW-00-2	1008027-21	Liquid	8/14/10 13:20	08/16/10 09:20
T001-2350-100813-SW-00-1	1008027-22	Liquid	8/13/10 9:45	08/16/10 09:20
T001-2350-100813-SW-00-2	1008027-23	Liquid	8/13/10 9:45	08/16/10 09:20
T001-2354-100813-SW-00-1	1008027-24	Liquid	8/13/10 11:05	08/16/10 09:20
T001-2354-100813-SW-00-2	1008027-25	Liquid	8/13/10 11:05	08/16/10 09:20
T001-2358-100815-SW-00-1	1008027-26	Liquid	8/15/10 13:30	08/16/10 09:20
T001-2359-100814-SW-00-1	1008027-27	Liquid	8/14/10 9:30	08/16/10 09:20
T001-2365-100815-SW-00-1	1008027-28	Liquid	8/15/10 10:00	08/16/10 09:20
T001-2471-100815-SW-00-1	1008027-29	Liquid	8/15/10 11:10	08/16/10 09:20

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DOSS by LC/MS/MS

Lab ID: 1008027-01 **Station ID: T008-0023-100814-SW-1**

Batch: B0H1604 Date Collected: 08/14/10
Sample Type: Liquid Sample Volume: 24 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: DOSS-D34	188		108	50-150	08/16/10	08/16/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		19.6	1	08/16/10	08/16/10

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.

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DOSS by LC/MS/MS

Lab ID: 1008027-02 **Station ID: T008-0024-100814-SW-1**

Batch: B0H1604 Date Collected: 08/14/10
Sample Type: Liquid Sample Volume: 24 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: DOSS-D34	185		106	50-150	08/16/10	08/16/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		19.6	1	08/16/10	08/16/10

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DOSS by LC/MS/MS

Lab ID: 1008027-03 **Station ID: T008-0025-100814-SW-1**

Batch: B0H1604 Date Collected: 08/14/10
Sample Type: Liquid Sample Volume: 23 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: DOSS-D34	183		100	50-150	08/16/10	08/16/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		20.0	1	08/16/10	08/16/10

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DOSS by LC/MS/MS

Lab ID: 1008027-04 **Station ID: T008-0026-100814-SW-1**

Batch: B0H1604 Date Collected: 08/14/10
Sample Type: Liquid Sample Volume: 24 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: DOSS-D34	184		105	50-150	08/16/10	08/16/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		19.6	1	08/16/10	08/16/10

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DOSS by LC/MS/MS

Lab ID: 1008027-05 **Station ID: T008-0027-100814-SW-1**

Batch: B0H1604 Date Collected: 08/14/10
Sample Type: Liquid Sample Volume: 23 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: DOSS-D34	203		111	50-150	08/16/10	08/16/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		20.0	1	08/16/10	08/16/10

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DOSS by LC/MS/MS

Lab ID: 1008027-06 **Station ID: T008-0022-100815-SW-1**

Batch: B0H1604 Date Collected: 08/15/10
Sample Type: Liquid Sample Volume: 23 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: DOSS-D34	202		111	50-150	08/16/10	08/16/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		20.0	1	08/16/10	08/16/10

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DOSS by LC/MS/MS

Lab ID: 1008027-07 **Station ID: T005-0036-100813-SW-1**

Batch: B0H1604 Date Collected: 08/13/10
Sample Type: Liquid Sample Volume: 24 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: DOSS-D34	206		118	50-150	08/16/10	08/16/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		20.0	1	08/16/10	08/16/10

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DOSS by LC/MS/MS

Lab ID: 1008027-08 **Station ID: T005-0037-100813-SW-1**

Batch: B0H1604 Date Collected: 08/13/10
Sample Type: Liquid Sample Volume: 23 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: DOSS-D34	210		115	50-150	08/16/10	08/16/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		20.0	1	08/16/10	08/16/10

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DOSS by LC/MS/MS

Lab ID: 1008027-09 **Station ID: T005-0039-100813-SW-1**

Batch: B0H1604 Date Collected: 08/13/10
Sample Type: Liquid Sample Volume: 19 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: DOSS-D34	245		111	50-150	08/16/10	08/16/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		20.0	1	08/16/10	08/16/10

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DOSS by LC/MS/MS

Lab ID: 1008027-10 **Station ID: T005-0040-100813-SW-1**

Batch: B0H1604 Date Collected: 08/13/10
Sample Type: Liquid Sample Volume: 23 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: DOSS-D34	209		114	50-150	08/16/10	08/16/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		20.0	1	08/16/10	08/16/10

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DOSS by LC/MS/MS

Lab ID: 1008027-11 **Station ID: T005-0034-100814-SW-1**

Batch: B0H1604 Date Collected: 08/14/10
Sample Type: Liquid Sample Volume: 22 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: DOSS-D34	211		110	50-150	08/16/10	08/16/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		19.5	1	08/16/10	08/16/10

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DOSS by LC/MS/MS

Lab ID: 1008027-12 **Station ID: T005-0035-100814-SW-1**

Batch: B0H1604 Date Collected: 08/14/10
Sample Type: Liquid Sample Volume: 21 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: DOSS-D34	223		112	50-150	08/16/10	08/16/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		20.0	1	08/16/10	08/16/10

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DOSS by LC/MS/MS

Lab ID: 1008027-13 **Station ID: T005-0031-100815-SW-1**

Batch: B0H1604 Date Collected: 08/15/10
Sample Type: Liquid Sample Volume: 23 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: DOSS-D34	211		115	50-150	08/16/10	08/16/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		20.0	1	08/16/10	08/16/10

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DOSS by LC/MS/MS

Lab ID: 1008027-14 **Station ID: T005-0032-100815-SW-1**

Batch: B0H1604 Date Collected: 08/15/10
Sample Type: Liquid Sample Volume: 22 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: DOSS-D34	219		115	50-150	08/16/10	08/16/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		20.0	1	08/16/10	08/16/10

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DOSS by LC/MS/MS

Lab ID: 1008027-15 **Station ID: T005-0032-100815-SW-2**

Batch: B0H1604 Date Collected: 08/15/10
Sample Type: Liquid Sample Volume: 23 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: DOSS-D34	197		108	50-150	08/16/10	08/16/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		20.0	1	08/16/10	08/16/10

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DOSS by LC/MS/MS

Lab ID: 1008027-16 **Station ID: T005-0033-100815-SW-1**

Batch: B0H1604 Date Collected: 08/15/10
Sample Type: Liquid Sample Volume: 23 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: DOSS-D34	195		107	50-150	08/16/10	08/16/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		19.6	1	08/16/10	08/16/10

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DOSS by LC/MS/MS

Lab ID: 1008027-17 **Station ID: T001-1337-100813-SW-00-1**

Batch: B0H1604 Date Collected: 08/13/10
Sample Type: Liquid Sample Volume: 24 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: DOSS-D34	199		114	50-150	08/16/10	08/16/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		17.9	1	08/16/10	08/16/10

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DOSS by LC/MS/MS

Lab ID: 1008027-18 **Station ID: T001-1344-100815-SW-05-1**

Batch: B0H1604 Date Collected: 08/15/10
Sample Type: Liquid Sample Volume: 21 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: DOSS-D34	218		109	50-150	08/16/10	08/16/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		20.0	1	08/16/10	08/16/10

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.

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Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1008027-19 **Station ID: T001-1353-100815-SW-00-1**

Batch: B0H1604 Date Collected: 08/15/10
Sample Type: Liquid Sample Volume: 20 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: DOSS-D34	244		116	50-150	08/16/10	08/16/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		20.0	1	08/16/10	08/16/10

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DOSS by LC/MS/MS

Lab ID: 1008027-20 **Station ID: T001-2346-100814-SW-00-1**

Batch: B0H1604 Date Collected: 08/14/10
Sample Type: Liquid Sample Volume: 20 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: DOSS-D34	242		115	50-150	08/16/10	08/16/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		19.5	1	08/16/10	08/16/10

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DOSS by LC/MS/MS

Lab ID: 1008027-21 **Station ID: T001-2346-100814-SW-00-2**

Batch: B0H1604 Date Collected: 08/14/10
Sample Type: Liquid Sample Volume: 21 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: DOSS-D34	210		105	50-150	08/16/10	08/16/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		20.0	1	08/16/10	08/16/10

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DOSS by LC/MS/MS

Lab ID: 1008027-22 **Station ID: T001-2350-100813-SW-00-1**

Batch: B0H1604 Date Collected: 08/13/10
Sample Type: Liquid Sample Volume: 19 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: DOSS-D34	249		113	50-150	08/16/10	08/16/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		20.0	1	08/16/10	08/16/10

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Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1008027-23 **Station ID: T001-2350-100813-SW-00-2**

Batch: B0H1604 Date Collected: 08/13/10
Sample Type: Liquid Sample Volume: 20 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: DOSS-D34	190		90.4	50-150	08/16/10	08/16/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		20.0	1	08/16/10	08/16/10

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.

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Phone:(281)983-2100 Fax:(281)983-2248

DOSS by LC/MS/MS

Lab ID: 1008027-24 **Station ID: T001-2354-100813-SW-00-1**

Batch: B0H1604 Date Collected: 08/13/10
Sample Type: Liquid Sample Volume: 20 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: DOSS-D34	201		95.9	50-150	08/16/10	08/16/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		20.0	1	08/16/10	08/16/10

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.

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DOSS by LC/MS/MS

Lab ID: 1008027-25 **Station ID: T001-2354-100813-SW-00-2**

Batch: B0H1604 Date Collected: 08/13/10
Sample Type: Liquid Sample Volume: 20 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: DOSS-D34	203		96.5	50-150	08/16/10	08/16/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		20.0	1	08/16/10	08/16/10

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.

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DOSS by LC/MS/MS

Lab ID: 1008027-26 **Station ID: T001-2358-100815-SW-00-1**

Batch: B0H1604 Date Collected: 08/15/10
Sample Type: Liquid Sample Volume: 19 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: DOSS-D34	215		97.4	50-150	08/16/10	08/16/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		20.0	1	08/16/10	08/16/10

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.

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DOSS by LC/MS/MS

Lab ID: 1008027-27 **Station ID: T001-2359-100814-SW-00-1**

Batch: B0H1604 Date Collected: 08/14/10
Sample Type: Liquid Sample Volume: 20 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: DOSS-D34	210		99.8	50-150	08/16/10	08/16/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		20.0	1	08/16/10	08/16/10

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.

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DOSS by LC/MS/MS

Lab ID: 1008027-28 **Station ID: T001-2365-100815-SW-00-1**

Batch: B0H1604 Date Collected: 08/15/10
Sample Type: Liquid Sample Volume: 20 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: DOSS-D34	215		102	50-150	08/16/10	08/16/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		20.0	1	08/16/10	08/16/10

This LC/MS/MS method is a developmental method that was created specifically for the Gulf oil spill by the Region 6 lab in conjunction with other EPA laboratories. Therefore it has not been validated with the normal rigorous procedures and performance data that an EPA method would normally complete before being released. Improvements will continue to be made to this method as more is learned about the nuances of this technique with these analytes and various matrices. Proper sample collection or preservation procedures have not been established and holding times are unknown.

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DOSS by LC/MS/MS

Lab ID: 1008027-29 **Station ID: T001-2471-100815-SW-00-1**

Batch: B0H1604 Date Collected: 08/15/10
Sample Type: Liquid Sample Volume: 18 ml Sample Qualifiers:

Surrogates

Analyte	Result µg/l	Analyte Qualifiers	%Recovery	%Recovery Limits	Prepared	Analyzed
Surr: DOSS-D34	236		101	50-150	08/16/10	08/16/10

Targets

Analyte (CAS Number)	Result µg/l	Analyte Qualifiers	Reporting Limit	Dilution	Prepared	Analyzed
Dioctyl sulfosuccinate, sodium salt (577-11-7)	U		20.0	1	08/16/10	08/16/10

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DOSS by LC/MS/MS - Quality Control

Batch: B0H1604 **Sample Type: Liquid**

Blank (B0H1604-BLK1)

Prepared: 8/16/2010 Analyzed: 8/16/2010

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: DOSS-D34	224		210	107	50-150

Blank (B0H1604-BLK1)

Prepared: 8/16/2010 Analyzed: 8/16/2010

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit
Dioctyl sulfosuccinate, sodium salt	U		20.0

Blank (B0H1604-BLK2)

Prepared: 8/16/2010 Analyzed: 8/16/2010

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: DOSS-D34	227		210	108	50-150

Blank (B0H1604-BLK2)

Prepared: 8/16/2010 Analyzed: 8/16/2010

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit
Dioctyl sulfosuccinate, sodium salt	U		20.0

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DOSS by LC/MS/MS - Quality Control

Batch: B0H1604 **Sample Type: Liquid**

LCS (B0H1604-BS1)

Prepared: 8/16/2010 Analyzed: 8/16/2010

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: DOSS-D34	219		210	104	50-150

LCS (B0H1604-BS1)

Prepared: 8/16/2010 Analyzed: 8/16/2010

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Dioctyl sulfosuccinate, sodium salt	109		20.0	98.4	110	50-150

LCS (B0H1604-BS2)

Prepared: 8/16/2010 Analyzed: 8/16/2010

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: DOSS-D34	226		210	108	50-150

LCS (B0H1604-BS2)

Prepared: 8/16/2010 Analyzed: 8/16/2010

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	%REC	%REC Limits
Dioctyl sulfosuccinate, sodium salt	113		20.0	98.4	115	50-150

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DOSS by LC/MS/MS - Quality Control

Batch: B0H1604 **Sample Type: Liquid**

Matrix Spike (B0H1604-MS1)

Source: 1008027-05 Prepared: 8/16/2010 Analyzed: 8/16/2010

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: DOSS-D34	202		183	110	50-150

Matrix Spike (B0H1604-MS1)

Source: 1008027-05 Prepared: 8/16/2010 Analyzed: 8/16/2010

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Dioctyl sulfosuccinate, sodium salt	95.9		20.0	85.6		110	50-150

Matrix Spike (B0H1604-MS2)

Source: 1008027-12 Prepared: 8/16/2010 Analyzed: 8/16/2010

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: DOSS-D34	237		210	113	50-150

Matrix Spike (B0H1604-MS2)

Source: 1008027-12 Prepared: 8/16/2010 Analyzed: 8/16/2010

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Dioctyl sulfosuccinate, sodium salt	110		20.0	98.4		111	50-150

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DOSS by LC/MS/MS - Quality Control

Batch: B0H1604 **Sample Type: Liquid**

Matrix Spike (B0H1604-MS3)

Source: 1008027-22 Prepared: 8/16/2010 Analyzed: 8/16/2010

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: DOSS-D34	194		221	87.7	50-150

Matrix Spike (B0H1604-MS3)

Source: 1008027-22 Prepared: 8/16/2010 Analyzed: 8/16/2010

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits
Dioctyl sulfosuccinate, sodium salt	120		20.0	104		111	50-150

Matrix Spike Dup (B0H1604-MSD1)

Source: 1008027-05 Prepared: 8/16/2010 Analyzed: 8/16/2010

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: DOSS-D34	208		191	109	50-150

Matrix Spike Dup (B0H1604-MSD1)

Source: 1008027-05 Prepared: 8/16/2010 Analyzed: 8/16/2010

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Dioctyl sulfosuccinate, sodium salt	104		20.0	89.5		115	50-150	8.35	30

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DOSS by LC/MS/MS - Quality Control

Batch: B0H1604 **Sample Type: Liquid**

Matrix Spike Dup (B0H1604-MSD2)

Source: 1008027-12 Prepared: 8/16/2010 Analyzed: 8/16/2010

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: DOSS-D34	220		191	115	50-150

Matrix Spike Dup (B0H1604-MSD2)

Source: 1008027-12 Prepared: 8/16/2010 Analyzed: 8/16/2010

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Dioctyl sulfosuccinate, sodium salt	101		20.0	89.5		112	50-150	8.41	30

Matrix Spike Dup (B0H1604-MSD3)

Source: 1008027-22 Prepared: 8/16/2010 Analyzed: 8/16/2010

Surrogates

ANALYTE	Result µg/l	Analyte Qualifier	Spike Level	%REC	%REC Limits
Surr: DOSS-D34	192		210	91.2	50-150

Matrix Spike Dup (B0H1604-MSD3)

Source: 1008027-22 Prepared: 8/16/2010 Analyzed: 8/16/2010

Targets

ANALYTE	Result µg/l	Analyte Qualifiers	Reporting Limit	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
Dioctyl sulfosuccinate, sodium salt	114		20.0	98.4		111	50-150	4.76	30

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CHAIN OF CUSTODY RECORD **No: T0033-100402-20100814-09**

R06_DeepWater_Chalmette
Contact Name: Kristie Warr
Contact Phone: 713-985-6636

AirbillNo:
Lab: U.S. EPA Region 6 Laboratory
Lab Phone: 281-983-2137

Lab #	Sample #	Analyses	Matrix	Collection Method	Collected	Sample Time	Numb Cont	Container	Preservative	MS/MSD
	T008-0023-100814-SW-1	DOSS	Surface Water	Grab	8/14/2010	12:52	2	20 ml VOA	4 C	N
	T008-0024-100814-SW-1	DOSS	Surface Water	Grab	8/14/2010	12:20	2	20 ml VOA	4 C	N
	T008-0025-100814-SW-1	DOSS	Surface Water	Grab	8/14/2010	11:40	2	20 ml VOA	4 C	N
	T008-0026-100814-SW-1	DOSS	Surface Water	Grab	8/14/2010	11:00	2	20 ml VOA	4 C	N
	T008-0027-100814-SW-1	DOSS	Surface Water	Grab	8/14/2010	10:15	6	20 ml VOA	4 C	Y

Special Instructions:

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
Ice Chest	Peter Mayer	8/15/10	courier				within 14. 8905	8-16-10	Scott	8/16/10	6:20
		8/16/10		8/16/10	9:30			8/16/10	Harris	8/16/10	9:20
		8/16/10		8/16/10	9:00						

Sample Temp: 1°C

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

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CHAIN OF CUSTODY RECORD
R06_DeepWater_Chalmette
Contact Name: Kristie Warr
Contact Phone: 713-985-6636

No: T0033-100402-20100815-05
AirbillNo:
Lab: U.S. EPA Region 6 Laboratory
Lab Phone: 281-983-2137

Lab #	Sample #	Analyses	Matrix	Collection Method	Collected	Sample Time	Numb Cont	Container	Preservative	MS/MSD
	T008-0022-100815-SW-1	DOSS	Surface Water	Grab	8/15/2010	09:10	6	20 ml VOA	4 C	Y

Special Instructions:

SAMPLES TRANSFERRED FROM
CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
Ice Chest	[illegible]	8/15/10	Courier	8/15/10			Willie H.	8-15-10 [illegible]	[illegible]	8/15/10	2245
	[illegible]	8/16/10 0500	[illegible]	8/16/10	0500		[illegible]	8-16-10 9:20	Isaiah Harris	8/16/10	9:20
	[illegible]	8/16/10	[illegible]	8/16/10	9:00						

Sample Temp: 1°C

Environmental Protection Agency

Region 6 Laboratory

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CHAIN OF CUSTODY RECORD

R06_DeepWater_Chalmette
Contact Name: Kristie Warr
Contact Phone: 713-985-6636

No: T0033-100402-20100813-05

AirbillNo:
Lab: U.S. EPA Region 6 Laboratory
Lab Phone: 281-983-2137

Lab #	Sample #	Analyses	Matrix	Collection Method	Collected	Sample Time	Numb Cont	Container	Preservative	MS/MSD
	T005-0036-100813-SW-1	DOSS	Surface Water	Grab	8/13/2010	08:55	6	20 ml VOA	4 C	Y
	T005-0037-100813-SW-1	DOSS	Surface Water	Grab	8/13/2010	09:55	2	20 ml VOA	4 C	N
	T005-0039-100813-SW-1	DOSS	Surface Water	Grab	8/13/2010	10:40	2	20 ml VOA	4 C	N
	T005-0040-100813-SW-1	DOSS	Surface Water	Grab	8/13/2010	11:20	2	20 ml VOA	4 C	N

Special Instructions:

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
		8/13	Willie H.	8-13-10	1745		Willie H.	8-13-10		8/14/10	1245
		8/13						0900			
		8/14/10		8/13/10	0900			8/14/10	Iscial Harris	8/16/10	9:20
		8/14/10						9:20			

Sample Temp: 2°C

Environmental Protection Agency

Region 6 Laboratory

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CHAIN OF CUSTODY RECORD

R06_DeepWater_Chalmette
Contact Name: Kristie Warr
Contact Phone: 713-985-6636

No: T0033-100402-20100814-02

AirbillNo:
Lab: U.S. EPA Region 6 Laboratory
Lab Phone: 281-983-2137

Lab #	Sample #	Analyses	Matrix	Collection Method	Collected	Sample Time	Numb Cont	Container	Preservative	MS/MSD
	T005-0034-100814-SW-1	DOSS	Surface Water	Grab	8/14/2010	09:40	2	20 ml VOA	4 C	N
	T005-0035-100814-SW-1	DOSS	Surface Water	Grab	8/14/2010	08:30	6	20 ml VOA	4 C	Y

Special Instructions:

Items/Reason	Relinquished by	Date	Received by	Date	Time
		8/15/10	Willie H.	8-15-10	1745
		8/16/10 0900		8/16/10	0930
				8-16-10	9:00

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished By	Date	Received by	Date	Time
	Willie H.	8-15-10			
		9-16-10 9:20	Isaiah Harris	8/16/10	9:20
				8/16/10	2345

Sample Temp: 2°C

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

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CHAIN OF CUSTODY RECORD **No: T0033-100402-20100815-02**

R06_DeepWater_Chalmette AirbillNo:

Contact Name: Kristie Warr Lab: U.S. EPA Region 6 Laboratory

Contact Phone: 713-985-6636 Lab Phone: 281-983-2137

Lab #	Sample #	Analyses	Matrix	Collection Method	Collected	Sample Time	Numb Cont	Container	Preservative	MS/MSD
	T005-0031-100815-SW-1	DOSS	Surface Water	Grab	8/15/2010	11:10	6	20 ml VOA	4 C	Y
	T005-0032-100815-SW-1	DOSS	Surface Water	Grab	8/15/2010	10:05	2	20 ml VOA	4 C	N
	T005-0032-100815-SW-2	DOSS	Surface Water	Grab	8/15/2010	10:05	2	20 ml VOA	4 C	N
	T005-0033-100815-SW-1	DOSS	Surface Water	Grab	8/15/2010	09:10	2	20 ml VOA	4 C	N

Special Instructions:

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Items/Reason	Relinquished by	Date	Time	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
		8/15/10		Willie H.	8-16-10	1745		Willie H.	8-16-10 0800		8/16/10	2215
		8/16/10 0900			8/16/10	0930		Mark A.	8/16/10 9:20	Isaiah Harris	8/16/10	9:20
		8/16/10		Mark A.	8-16-10	9:20						

Sample Temp: 2°C

Environmental Protection Agency

Region 6 Laboratory

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CHAIN OF CUSTODY RECORD **No: T0001-100405-20100813-004**

Kristie Warr	R06 Deep H2O Horizon Reporting	Lab Address: 10625 Fallstone Rd	
713-985-6600	Lab: EPA Houston Lab	Lab_City: Houston	
US EPA/Weston	Lab_State: TX	Lab_Zip: 77099	
Venice, LA			

Lab #	Sample #	Analyses	Matrix	Collection Method	Collected	Sample Time	Numb Cont	Container	Preservative	MS/MS D	Description
	T001-1337-100813-SW-00-1	DOSS	Surface Water	Grab	8/13/2010	12:05	2	20 ml VOA	4 C	N	
	T001-1344-100815-SW-05-1	DOSS	Surface Water	Grab	8/15/2010	12:20	2	20 ml VOA	4 C	N	
	T001-1353-100815-SW-00-1	DOSS	Surface Water	Grab	8/15/2010	14:30	2	20 ml VOA	4 C	N	
	T001-2346-100814-SW-00-1	DOSS	Surface Water	Grab	8/14/2010	13:20	2	20 ml VOA	4 C	N	
	T001-2346-100814-SW-00-2	DOSS	Surface Water	Grab	8/14/2010	13:20	2	20 ml VOA	4 C	N	
	T001-2350-100813-SW-00-1	DOSS	Surface Water	Grab	8/13/2010	09:45	6	20 ml VOA	4 C	Y	
	T001-2350-100813-SW-00-2	DOSS	Surface Water	Grab	8/13/2010	09:45	2	20 ml VOA	4 C	N	
	T001-2354-100813-SW-00-1	DOSS	Surface Water	Grab	8/13/2010	11:05	2	20 ml VOA	4 C	N	
	T001-2354-100813-SW-00-2	DOSS	Surface Water	Grab	8/13/2010	11:05	2	20 ml VOA	4 C	N	
	T001-2358-100815-SW-00-1	DOSS	Surface Water	Grab	8/15/2010	13:30	2	20 ml VOA	4 C	N	
	T001-2359-100814-SW-00-1	DOSS	Surface Water	Grab	8/14/2010	09:30	6	20 ml VOA	4 C	Y	
	T001-2365-100815-SW-00-1	DOSS	Surface Water	Grab	8/15/2010	10:00	2	20 ml VOA	4 C	N	
	T001-2471-100815-SW-00-1	DOSS	Surface Water	Grab	8/15/2010	11:10	2	20 ml VOA	4 C	N	

SAMPLES TRANSFERRED FROM CHAIN OF CUSTODY #

Special Instructions: Return Airbill # 8728 2414 7950

Items/Reason	Relinquished by	Date	Received by	Date	Time	Items/Reason	Relinquished By	Date	Received by	Date	Time
		8/15/10		8/15/10	1830			8/16/10 9:20	Isaiah Harris	8/16/10	9:20

Sample Temp: 6°C

Environmental Protection Agency

Region 6 Laboratory

10625 Fallstone Road, Houston, TX 77099
Phone:(281)983-2100 Fax:(281)983-2248

Notes and Definitions

A	This sample was extracted at a single acid pH.
HTS	Sample was prepared and/or analyzed past recommended holding time. Concentrations should be considered minimum values.
AES	Atomic Emission Spectrometer
CVAA	Cold Vapor Atomic Absorption
ECD	Electron Capture Detector
GC	Gas Chromatograph
GFAA	Graphite Furnace Atomic Absorption
ICP	Inductively Coupled Plasma
MS	Mass Spectrometer
NA	Not Applicable
NPD	Nitrogen Phosphorous Detector
NR	Not Reported
TCLP	Toxicity Characteristic Leaching Procedure
U	Undetected
#	Out of QC limits

Initial pressure in air analyses is the pressure at which the canister was received in psia (pounds *per* square inch absolute pressure).

The pH reported for Volatile liquid samples was tested using a 0-14 pH indicator strip for the purpose of verifying chemical preservation.

The statistical software used for the reporting of toxicity data is ToxCalc 5.0.32, Environmental Toxicity Data Analysis System 1994-2007 Tidepool Scientific Software.